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(54) Title: CANINE RESPIRATORY CORONAVIRUS (CRCV) SPIKE PROTEIN, POLYMERASE AND HEMAGGLU-  
TININ/ESTERASE

ctcagatgaa ttgaaatat gctattagtg ctaagaatag agcccgact gttgctggtg 60  
tttccatact tagtactatg actggcagaa tggttcatca aaaatgtttg aaaagtatat 120  
cagctacacg tgggtgttcc gttgttatag gcaccactaa attttatggc ggctgggtag 180  
atatgttacg tcgccttatt aaagatgttg acaatcctgt acttatgggt tgggattatc 240  
ctaagtggtga 250

(57) Abstract: A canine respiratory coronavirus (CRCV) that is present in the respiratory tract of dogs with canine infectious res-  
piratory disease and which has a low level of homology to the enteric canine coronavirus, but which has a high level of homology  
to all bovine coronavirus strains (eg Quebec and LY138) and human coronavirus strain OC43. The CRCV spike, polymerase and  
hemagglutinin/esterase cDNA and protein partial sequences are listed in Figures (1) to (4), (13) and (14).

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